

Rec'd PCT/PTO 28 SEP 2005
 MKIS-00112005-0001-0002

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)	Attorney Docket Number	2113P 10/521006
	First Named Inventor	Steven S. Carroll et al.
	COMPLETE IF KNOWN	
	Application Number	
	Filing Date	
	Group Art Unit	
<input type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NUCLEOSIDE DERIVATIVES AS INHIBITORS OF RNA-DEPENDENT RNA VIRAL POLYMERASE

the specification of which

(Title of the Invention)

☒ bears the Attorney Docket Number and Title of the Invention noted above

OR

☐ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [] as United States Application Number or PCT International

Application Number [] and was amended on (MM/DD/YYYY) [] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Attorney Docket Number	Priority Claimed?	
				YES	NO
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☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	Attorney Docket Number
60/396,252	07/16/2002	21135PV

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

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U.S. Parent Application or PCT Parent Application Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
PCT/US03/21589	07/11/2003	

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☒ Practitioners Associated with the Customer Number **000210**
OR
☐ Registered practitioner(s) named below

Name	Registration Number	Name	Registration Number
Philippe L. Durette	35,125	Melvin Winokur	32,763

Direct all correspondence to: ☒ Customer Number **000210**

Name	Philippe L. Durette				
Address	Merck & Co., Inc. - Patent Department				
Address	P.O. Box 2000, RY60-30				
City	Rahway	State	NJ	ZIP	07065-0907
Country	USA	Telephone	(732)594-4568	Fax	(732)594-4720

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) Balkrishen Family Name or Surname Bhat

Inventor's Signature Balkrishen Bhat CA Date March 7, 2005
Residence: City Carlsbad State CA Country USA Citizenship IN

Mailing Address ISIS Pharmaceuticas, 2292 Faraday Avenue
City Carlsbad State CA ZIP 92008 Country USA

☒ Additional inventors are being named on the 2 supplemental Additional Inventors(s) sheet(s) PTO/SB/02A attached hereto.

DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S)
Supplemental Sheet

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Steven S.				Carroll			
Inventor's Signature	PA				Date		
Residence: City	Yardley	State	PA	Country	USA	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Anne B.				Eldrup			
Inventor's Signature	CT				Date		
Residence: City	Danbury	State	CT	Country	USA	Citizenship	DK
Mailing Address	ISIS Pharmaceuticals, 2292 Faraday Avenue						
City	Carlsbad	State	CA	ZIP	92008	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Malcolm				MacCoss			
Inventor's Signature	NJ				Date		
Residence: City	Freehold	State	NJ	Country	USA	Citizenship	GB
Mailing Address	Merck & Co., Inc. P.O. Box 2000						
City	Rahway	State	NJ	ZIP	07065-0907	Country	U.S.A.
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Given Name (first and middle [if any])				Family Name or Surname			
Thazha P.				Prakash			
Inventor's Signature				Date	3-4-05		
Residence: City	Carlsbad	State	CA	Country	USA	Citizenship	IN
Mailing Address		ISIS Pharmaceuticas, 2292 Faraday Avenue					
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PATENT APPLICATION
(37 CFR 1.63)**

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with Initial
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Submitted after Initial
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(37 CFR 1.16 (e))
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Attorney Docket Number 21135P

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Given Name (first and middle [if any])	Family Name or Surname
Balkrishen	Bhat

Inventor's Signature	Date
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Residence: City	Carlsbad	State	CA	Country	USA	Citizenship	IN
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Mailing Address	ISIS Pharmaceuticlas, 2292 Faraday Avenue				
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City	Carlsbad	State	CA	ZIP	92008	Country	USA
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Inventor's Signature	<i>Malcolm MacCoss</i>					Date	<i>Jan 26, 2005</i>
Residence: City	Freehold	State	NJ	Country	USA	Citizenship	GB
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I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NUCLEOSIDE DERIVATIVES AS INHIBITORS OF RNA-DEPENDENT RNA VIRAL POLYMERASE

(Title of the Invention)

the specification of which

☒ bears the Attorney Docket Number and Title of the Invention noted above

OR

☐ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [] as United States Application Number or PCT International Application Number [] and was amended on (MM/DD/YYYY) [] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Attorney Docket Number	Priority Claimed? YES NO
				<input type="checkbox"/> <input type="checkbox"/>
				<input type="checkbox"/> <input type="checkbox"/>
				<input type="checkbox"/> <input type="checkbox"/>
				<input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	Attorney Docket Number
60/396,252	07/16/2002	21135PV

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known to me to be material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Application Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
PCT/US03/21589	07/11/2003	

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint, respectively and individually, as my attorney(s) or agent(s) with full power of substitution and revocation, the following registered practitioner(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

☒ Practitioners Associated with the Customer Number **000210**
 OR
☐ Registered practitioner(s) named below

Name	Registration Number	Name	Registration Number
Philippe L. Durette	35,125	Melvin Winokur	32,763

Direct all correspondence to: ☒ Customer Number **000210**

Name	Philippe L. Durette				
Address	Merck & Co., Inc. - Patent Department				
Address	P.O. Box 2000, RY60-30				
City	Rahway	State	NJ	ZIP	07065-0907
Country	USA	Telephone	(732)594-4568	Fax	(732)594-4720

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

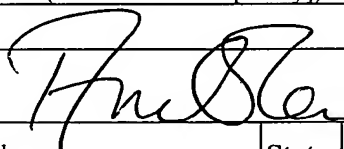
Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])		Family Name or Surname			
Balkrishen		Bhat			
Inventor's Signature				Date	
Residence: City	Carlsbad	State	CA	Country	USA
Citizenship	IN				
Mailing Address	ISIS Pharmaceuticas, 2292 Faraday Avenue				
City	Carlsbad	State	CA	ZIP	92008
Country	USA				

☒ Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Steven S.				Carroll			
Inventor's Signature						Date	
Residence: City	Yardley	State	PA	Country	USA	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Anne B.				Eldrup			
Inventor's Signature						Date	March 31/2005
Residence: City	Danbury	State	CT	Country	USA	Citizenship	DK
Mailing Address	ISIS Pharmaceuticals, 2292 Faraday Avenue						
City	Carlsbad	State	CA	ZIP	92008	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Malcolm				MacCoss			
Inventor's Signature						Date	
Residence: City	Freehold	State	NJ	Country	USA	Citizenship	GB
Mailing Address	Merck & Co., Inc. P.O. Box 2000						
City	Rahway	State	NJ	ZIP	07065-0907	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
David B.				Olsen			
Inventor's Signature						Date	
Residence: City	Lansdale	State	PA	Country	USA	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.

DECLARATION AND POWER OF ATTORNEY	ADDITIONAL INVENTOR(S) Supplemental Sheet
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Thazha P.				Prakash			
Inventor's Signature						Date	
Residence: City	Carlsbad	State	CA	Country	USA	Citizenship	IN
Mailing Address		ISIS Pharmaceuticlas, 2292 Faraday Avenue					
City	Carlsbad	State	CA	ZIP	92008	Country	USA

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Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
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City		State		ZIP		Country	

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City		State		ZIP		Country	

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Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Mailing Address							
City		State		ZIP		Country	

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)	Attorney Docket Number	21135P
	First Named Inventor	Steven S. Carroll et al.
	COMPLETE IF KNOWN	
	Application Number	
	Filing Date	
	Group Art Unit	
<input type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Name	

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My residence, mailing address, and citizenship are as stated below next to my name.

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U.S. Parent Application or PCT Parent Application Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
PCT/US03/21589	07/11/2003	

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☒ Practitioners Associated with the Customer Number **000210**
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Name	Registration Number	Name	Registration Number
Philippe L. Durette	35,125	Melvin Winokur	32,763

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Name	Philippe L. Durette				
Address	Merck & Co., Inc. - Patent Department				
Address	P.O. Box 2000, RY60-30				
City	Rahway	State	NJ	ZIP	07065-0907
Country	USA	Telephone	(732)594-4568	Fax	(732)594-4720

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Given Name (first and middle [if any])			Family Name or Surname				
Balkrishen			Bhat				
Inventor's Signature					Date		
Residence: City	Carlsbad	State	CA	Country	USA	Citizenship	IN
Mailing Address	ISIS Pharmaceuticlas, 2292 Faraday Avenue						
City	Carlsbad	State	CA	ZIP	92008	Country	USA

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DECLARATION AND POWER OF ATTORNEY	ADDITIONAL INVENTOR(S) Supplemental Sheet
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Given Name (first and middle [if any])				Family Name or Surname			
Steven S.				Carroll			
Inventor's Signature	<i>Steven S. Carroll</i>					Date	21 January 2005
Residence: City	Yardley	State	PA	Country	USA	Citizenship	US
Mailing Address		Merck Research Laboratories, Sumneytown Pike, P.O. Box 4					
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
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Anne B.				Eldrup			
Inventor's Signature						Date	
Residence: City	Danbury	State	CT	Country	USA	Citizenship	DK
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Inventor's Signature						Date	
Residence: City	Freehold	State	NJ	Country	USA	Citizenship	GB
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City	Rahway	State	NJ	ZIP	07065-0907	Country	U.S.A.
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